

SUTTON COUNTY

**Underground Water
Conservation District**

ANNUAL REPORT 2022

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General Manager: Meredith Allen

Purpose and Scope:

This Annual Report on the Sutton County Underground Water Conservation District's (District or SUTUWCD) is on achieving its management goals and objectives for the year 2022. It is presented to the Board of Directors of the District (the Board) in accordance with the District's Management Plan (Methodology for Tracking Progress, pg. 18). Texas Water Code, Chapter 36.1071. The original Management Plan for the District was adopted in 2004. It has been amended and readopted, every five years, November 12, 2019 is the latest revision.

The Sutton County Underground Water Conservation District (the District) was created by the 69th Texas Legislature (1985) under the authority of Section 59, Article XVI, of the Texas Constitution, and in accordance with Chapter 51 and 52 of the Texas Water Code. Note, in 1995, by Acts of the 74th Legislature, Chapter 52 of the Texas Water Code was repealed and replaced with Chapter 36 of the Texas Water Code effective September 1, 1995. The District, a local government agency, provides for the conservation, preservation, protection, recharge and prevention of waste of the underground water reservoir, Edwards-Trinity (Plateau) Aquifer, located under the District; by consistently adhering to Chapter 36 of the Texas Water Code (TWC). The District conducts administrative and technical activities and programs to achieve these purposes by collecting, archiving and analyzing water well and aquifer data. It regulates water well drilling and production of permitted, non-exempt wells, promoting the capping or plugging of abandoned wells. The District also provides information and educational material to local property owners, interacting with other governmental or organizational entities, and undertaking other groundwater-related activities that may help meet the purposes of the District. The District also strives to maintain groundwater ownership and rights of the landowners as provided in the TWC §36.002.

District Board Meetings:

DATE:	TYPE:
January 25, 2022	Board Meeting
March 8, 2022	Board Meeting
May 10, 2022	Board Meeting
July 12, 2022	Board Meeting
August 9, 2022	Board Meeting & Public Hearing
September 20, 2022	Board Meeting & Public Hearing
October 11, 2022	Board Meeting
November 8, 2022	Board Meeting & Public Hearing

Requirements of District Management Plan:

Goal 1.0 – Provide for the Efficient Use of Groundwater (36.1071(a)(1))

1.1 – The Board of Directors will receive quarterly briefings by the General Manager regarding the District’s well registration program new wells. The registration data will also be included in the Annual Report to the Board of Directors.

DATE:	Type:	PURPOSE:
January 25, 2022	Board Meeting	Quarterly Well Registration Report
May 10, 2022	Board Meeting	Quarterly Well Registration Report
July 12, 2022	Board Meeting	Quarterly Well Registration Report
October 11, 2022	Board Meeting	Quarterly Well Registration Report

Goal 2.0 - Control and Prevent Waste of Groundwater (36.1071(a)(2))

2.1 – The District will annually provide at least one printed publication, and one public speaking event to provide educational leadership on eliminating and reducing wasteful practices in the use of groundwater.

DATE:	Type:	PURPOSE:
April 18, 2022	Edible Aquifer	5 th grade Field Tour – Soil & Water Cons. District
July 28, 2022	Devil’s River News Article	Protect your Water Well During Drought
November 21, 2022	Educational speaking Event	4 th Grade Water Fair – Aquifer Model with Pump Simulations (water quality & well interference)

2.2 – The District will minimize the potential contamination of groundwater by monitoring the spacing and completion of wells. All new registered wells drilled within the District will be in accordance with District Spacing Rules, and maintain information on registered wells to be reported quarterly at regular Board Meetings.

See Table 1.1

Goal 3.0 – Addressing Natural Resource Issues (36.1071(a)(5))

3.1 – The District will measure monthly wells within the water level monitoring network through steel tape, and electronic sensors. The District will report at least quarterly to the Board of Directors the measurement of water levels from at least 20 wells monitored in the District’s water level monitoring network. The water level report will also be included in the District’s Annual Report.

DATE:	Type:	PURPOSE:
January 25, 2022	Board Meeting	Water Level Monitoring Report
May 10, 2022	Board Meeting	Water Level Monitoring Report
July 12, 2022	Board Meeting	Water Level Monitoring Report
October 11, 2022	Board Meeting	Water Level Monitoring Report

	OWNER	WELL #	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22
1	Archer	55-29-810	No Data	276.7	No Data	No Data	No Data	No Data	279.1	No Data	279	279.5	279.2	279.5
2	Teaff	55-27-616	276.8	276.4	276.7	276.4	276.5	276.4	276.5	276.5	276.8	277.2	277.1	277
3	Crites	55-27-622	163.3	163.8	164.2	164.7	165.2	165.8	166.6	167.0	166.8	167.0	166.4	166.7
4	Ray Irrigation	55-42-502	230.7	230.7	230.8	230.3	230.6	230.5	230.5	230.8	230.9	230.8	230.8	230.7
5	Shurley/Huddleston	55-35-210	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
6	TXDOT/Juno Hwy	55-43-205	201.6	201.0	218.3	202.1	202.2	201.8	201.8	201.7	201.4	201.4	201.0	201.1
7	Whitehead	55-25-902	133.5	133.5	133.6	133.7	No Data	No Data	134.1	133.7	133.8	134.0	133.4	133.7
8	Hospital Ranch	55-25-406	257.1	259.1	256.1	258.7	258.5	258.5	258.9	259.1	259.1	259.1	259.3	259.8
9	Brockman	55-45-305	265.3	265.3	265.4	265.8	266.0	266.2	266.2	269.1	268.9	266.6	266.7	266.8
10	Ross (House)	55-38-402	No Data	189.0	No Data	No Data	No Data	No Data	No Data	No Data	189.3	190.0	189.8	190.2
11	Glen Fisher	55-28-302	237.0	239.4	238.1	239.4	239.0	239.4	239.4	239.3	239.7	239.4	240.0	239.4
12	(Julie) Bill Stewart	55-20-904	No Data	222.3	No Data	No Data	No Data	No Data	223.1	223.8	223.3	224.0	223.8	224.0
13	Oliver Kiehne	55-22-902	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
14	Bill Tittle	55-19-903	No Data	No Data	No Data	No Data	200.5	No Data	No Data	No Data	205.8	204.0	Bad Read	Bad Read
15	Jones, Claire	55-27-909	142.9	142.7	142.5	142.3	142.3	142.0	141.7	141.6	142.0	141.7	141.2	141.7
16	TXDOT/MMR	55-18-715	143.3	143.5	143.2	142.8	142.7	142.9	143.0	142.8	143.1	142.6	142.4	143.0
17	Mayer NW	55-17-504	180.6	180.7	180.9	181.2	No Data	No Data	182.1	182.2	182.8	182.5	183.0	183.4
18	Hardgrave	55-30-504	No Data	155.6	No Data	No Data	No Data	No Data	148.1	Bad Read	160.7	161.0	161.4	Bad Read
19	Condra	55-29-607	173.4	172.9	172.5	171.7	171.1	170.6	170.0	169.2	169.4	168.9	168.7	168.2
20	Ross (Camp)	55-38-405	265.9	265.9	266.0	266.3	266.3	266.5	266.5	266.7	266.4	266.3	266.8	267.0
21	TXDOT/427	55-39-406	154.0	153.8	154.0	153.7	153.7	153.4	153.3	153.1	153.4	153.5	153.4	153.2
22	Highmount	55-27-223	312.9	312.9	313.0	313.4	313.4	313.4	313.3	313.3	313.5	313.2	313.0	312.8
23	Fisher-Fawcett	55-26-905	275.4	275.9	276.6	276.6	276.0	276.4	275.5	276.4	276.5	276.6	275.8	275.2
24	City Well #3	55-27-603	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
25	SUTUWCD DCW	55-27-322	163.17	164.42	164.4	164.4	164.4	164.3	164.3	164.3	164.3	164.3	164.5	164.2
26	Nolan Ryan Ft. Terrett ST	55-39-501	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
27	A&M Station	N/A	268.6	268.8	268.51	268.6	268.4	268.5	268.5	268.5	268.5	268.4	268.3	268.5
28	Robert Malone	591021	No Data	293.5	293.3	293.3	293.2	293.1	293.0	293.1	292.9	293.1	293.5	292.9

*measurements in feet below ground level

**The 'dif' column is the difference in the January measurement from the October measurement.

Goal 4.0 – Drought Conditions (36.1071(a)(6))

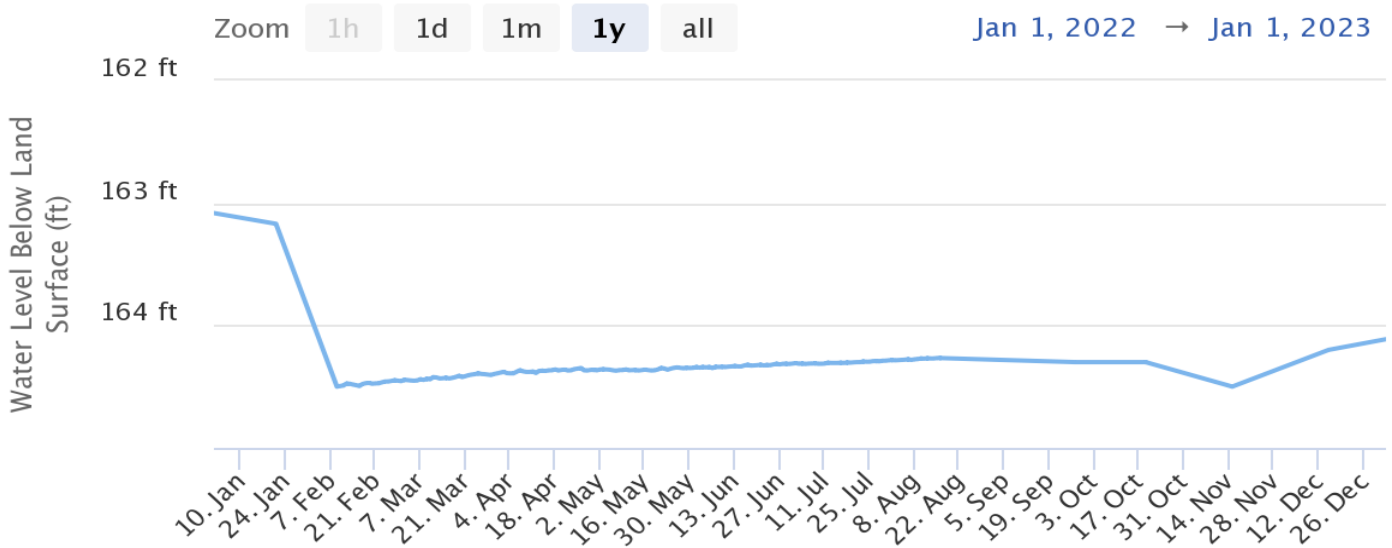
4.1 – The District has an approved Drought Contingency Plan compliant with TCEQ standards, it also has a drought index well with trigger levels. The Drought Contingency Plan can be found on the Districts website here: <http://www.suttoncountyuwcd.org/drought-contingency-plan>.

4.2 – The District will measure its drought index well at least quarterly to monitor drought conditions in Sutton County.

For 2022, the District experienced D1 drought – D3 - Extreme Drought conditions

Water Levels for Well ID: 1681 (Drought Contingency Well)

Click and drag in the plot area to zoom in



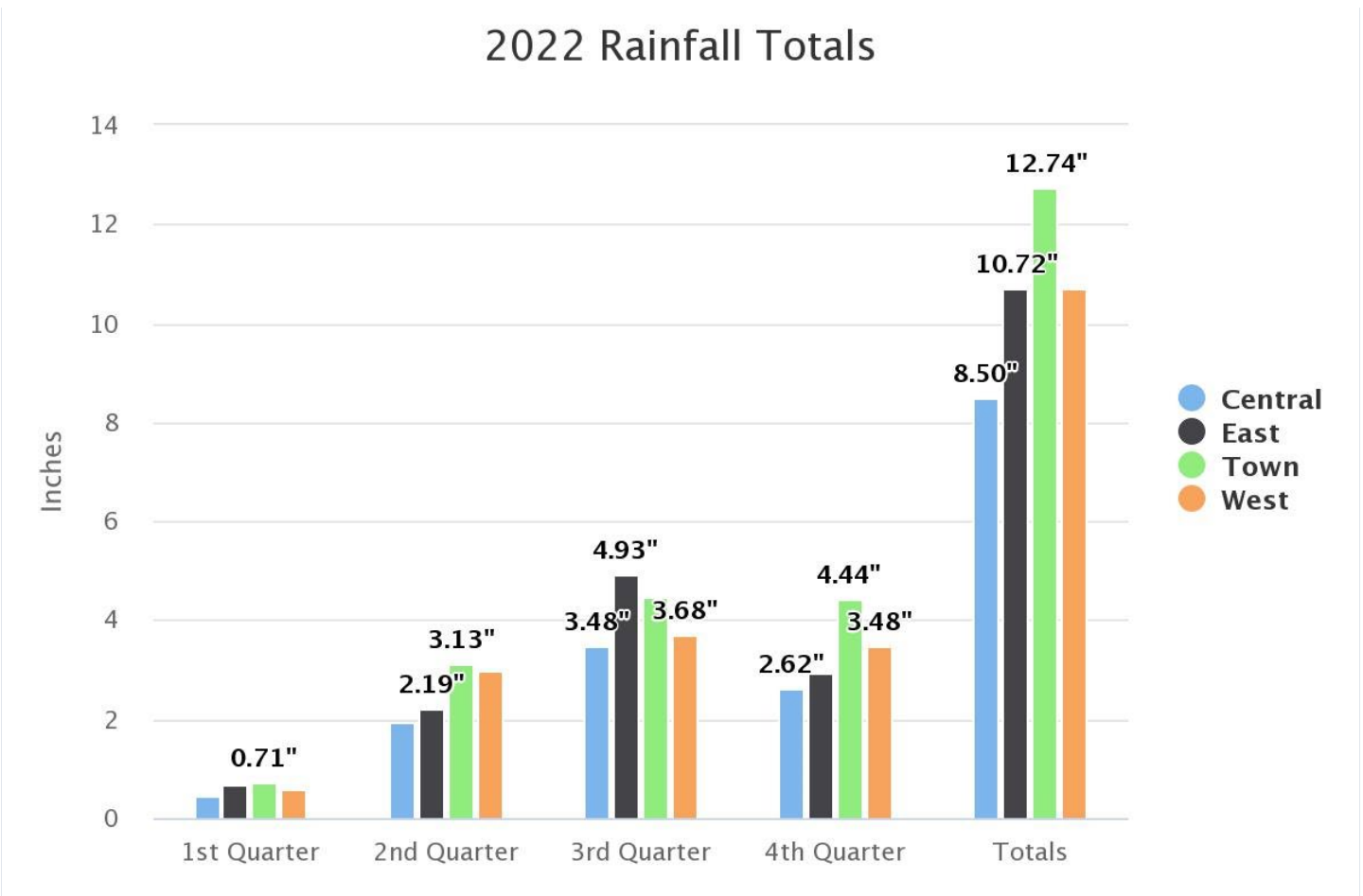
Goal 5.0 – Addressing Conservation & Precipitation Enhancement (36.1071(a)(7))

5.1 – The District will maintain a district-wide rainfall event network using voluntary monitors and automatic digital rainfall collectors to help evaluate recharge. The District will report at least quarterly to the Board of Directors rainfall totals collected from at least 20 of the automated rain gauges around the county and ten Stratus Professional rain gauge (Model RG202) located throughout Sonora, TX in the rainfall monitoring network.

DATE:	Type:	PURPOSE:
January 25, 2022	Board Meeting	Water Level Monitoring Report
May 10, 2022	Board Meeting	Water Level Monitoring Report
July 12, 2022	Board Meeting	Water Level Monitoring Report
October 11, 2022	Board Meeting	Water Level Monitoring Report

The total average rainfall for 2022 was the lowest in the central portion of the District at 8.50 inches, with the manual rain gauges in town showing the highest total of 12.74 inches. The 1st quarter was the worst performing quarter, with a total average of 0.71 inches. The rainfall in the 3rd quarter came in August in a span of several days. After the 2022 drought, rain for 2023 is needed.

2022 Rainfall Totals



5.2 – The District will provide the West Texas Weather Modification Association Annual Report to the Board of Directors

The 2022 Annual Report from the West Texas Weather Modification Association can be found on their website at wtwma.com/analysis_and_research.htm and in the District’s files.

5.3 – The District will Promote public awareness of the need for water conservation. Present a minimum of one public water conservation show, demonstration, event, or educational talk each year.

DATE:	Type:	PURPOSE:
April 18, 2022	Edible Aquifer	5 th grade Field Tour – Soil & Water Cons. District
November 21, 2022	Educational speaking Event	4 th Grade Water Fair – Aquifer Model with Pump Simulations (water quality & well interference)

Goal 6.0 – Addressing in a Quantitative Manner the Desired Future Conditions (DFC) of the Groundwater Resources (36.1071(a)(8))

The District covers part of the Edwards-Trinity (Plateau) Aquifer and is within Groundwater Management Area (GMA) 7. The Edwards-Trinity (Plateau) Aquifer is the largest aquifer not subdivided into multiple GMAs. For Sutton County UWCD, drawdown is not to exceed an average of six (6) feet.

6.1 - The Drought Contingency Plan, Drought Index Well and all the monitoring network data will be analyzed and reported in the District’s Annual Report.

Groundwater Management Area 7:

Groundwater Management Area 7: Meetings

DATE:	LOCATION:	PURPOSE:
January 20, 2022	Sutton County Civic Center	Joint Planning
May 5, 2022	Gin & Granary, San Angelo	Joint Planning
October 20, 2022	Sutton County Civic Center	Joint Planning

Groundwater Management Area 7: Desired Future Conditions (DFC)

The District shall participate in the joint planning process in Groundwater Management Area (GMA) 7 as defined per TWC § 36.108, including establishment of Desired Future Conditions (DFCs) for management areas within the District. In its evaluation of potential DFCs, the District shall consider results from groundwater availability models, scientific reports, and the conditions of the aquifer.

Edwards-Trinity (Plateau)/ Pecos Valley Alluvium Aquifers:

Total net drawdown not to exceed an average of eight (8) feet in 2070, as compared with 2010 aquifer levels, with specific county drawdowns as follows:

COUNTY	GCD	DROWDOWN (feet)
Coke	Coke County UWCD	0
Crockett	Crockett County GCD	10
Ector	-	8
Edwards	Real-Edwards C&RD	2
Gillespie	Hill Country UWCD	5
Glasscock	Glasscock GCD	40
Irion	Irion County WCD	10
Kimble	Kimble County GCD	1
Menard	Menard County UWD	1
Midland	-	12
Pecos	Middle Pecos GCD	12
Reagan	Santa Rita UWCD	42
Real	Real-Edwards C&RD	4
Schleicher	Plateau UC&SCD	8
Sterling	Sterling County UWCD	7
Sutton	Sutton County UWCD	6
Taylor	-	0
Terrell	Terrell County UWCD	2
Upton	-	16
Uvalde	Uvalde County UWCD	2

Registrations Issued for 2022 Year:

Tracking Number	Type Of Work	Proposed Use	Owner Name	Grid Number	Drilling End Date	Depth (ft.)	Drilling Company
629998	New Well	Domestic	Ben Joiner	55-47-6	7/11/2022	380	Hill Country Well Service
628481	New Well	Domestic	Paul Vinson	55-26-7	9/15/2022	420	LANGE DRILLING CO
628403	New Well	Domestic	David Geisbush	55-36-7	8/22/2022	320	LANGE DRILLING CO
628390	New Well	Stock	Chacho Cahill	55-45-2	8/16/2022	460	LANGE DRILLING CO
628361	New Well	Domestic	Philip Canalichie	55-47-4	8/13/2022	446	LANGE DRILLING CO
628341	New Well	Domestic	Chase Snodgrass	55-20-7	8/12/2022	300	LANGE DRILLING CO
628335	Replacement	Domestic	James Edmondson	55-27-6	8/10/2022	240	LANGE DRILLING CO
628332	New Well	Domestic	Thomas Hillman	55-36-6	8/8/2022	300	LANGE DRILLING CO
628325	New Well	Domestic	Larry CeKella	55-36-5	8/3/2022	350	LANGE DRILLING CO
627760	New Well	Stock	Dale Crenwelge	55-47-5	12/16/2022	290	OZONA WATER WELL SERVICE
627753	New Well	Stock	Dale Crenwelge	55-47-4	12/7/2022	390	OZONA WATER WELL SERVICE
625637	New Well	Stock	HWL INVESTMENTS LP	55-30-6	11/3/2022	260	Allison Well Service
625311	New Well	Domestic	Grant Tisdell	55-39-3	5/20/2022	300	Hill Country Well Service
625300	New Well	Domestic	Sergio Villarreal	55-32-4	5/16/2022	180	Hill Country Well Service
625298	New Well	Domestic	Fredrick Lee Rutkowski	55-31-1	5/12/2022	340	Hill Country Well Service
625297	New Well	Domestic	Javier Molinar	55-27-5	5/10/2022	420	Hill Country Well Service
625296	New Well	Domestic	2019 BLT Investments LLC	55-22-4	5/4/2022	160	Hill Country Well Service
625295	New Well	Domestic	Don Allen	55-22-4	5/3/2022	140	Hill Country Well Service
621981	New Well	Stock	EAGLE WELL RANCH LP	55-46-6	9/28/2022	390	Allison Well Service
617417	New Well	Domestic	Floyd Parks	55-42-6	9/6/2022	420	MICHAEL C HOELSCHER
617415	New Well	Stock	Floyd Parks	55-43-4	9/3/2022	470	MICHAEL C HOELSCHER
617393	New Well	Stock	Floyd Parks	55-42-6	9/2/2022	390	MICHAEL C HOELSCHER
617391	New Well	Domestic	Ken Bolander	55-19-6	9/7/2022	230	MICHAEL C HOELSCHER
613424	New Well	Stock	Walter Sippel	55-21-4	7/18/2022	390	OZONA WATER WELL SERVICE
610840	New Well	Stock	Debora Marquardt	55-22-4	6/23/2022	290	OZONA WATER WELL SERVICE
610197	New Well	Stock	Canyon Ranch	55-45-7	6/23/2022	405	Abel Water Systems
610193	New Well	Domestic	High Water Ranch, LLC Brian and Alice Johnson	55-34-5	6/27/2022	360	Abel Water Systems
608661	New Well	Stock	Dale Crenwelge	55-47-4	6/10/2022	370	OZONA WATER WELL SERVICE
608659	New Well	Stock	Dale Crenwelge	55-47-4	6/1/2022	380	OZONA WATER WELL SERVICE
606485	New Well	Stock	Carl Lang	55-47-3	5/13/2022	385	Abel Water Systems
606483	New Well	Stock	Carl Lang	55-47-2	4/30/2022	405	Abel Water Systems
606478	New Well	Stock	Carl Lang	55-47-6	4/16/2022	405	Abel Water Systems
604425	Replacement	Stock	Carl Lang	55-47-2	4/14/2022	405	Abel Water Systems
603279	New Well	Domestic	KEVIN WOODS	55-39-6	3/7/2022	310	Allison Well Service
602643	New Well	Domestic	Scott Cronk	55-36-5	4/13/2022	350	OZONA WATER WELL SERVICE
602639	New Well	Domestic	Randy Dobbs	55-36-7	4/6/2022	345	OZONA WATER WELL SERVICE
601351	New Well	Domestic	Kevin Wood	55-39-6	3/7/2022	310	Allison Well Service
601193	New Well	Stock	Blake Walker	55-37-5	3/31/2022	340	OZONA WATER WELL SERVICE

601192	New Well	Stock	Joseph Brosig	55-37-2	3/30/2022	315	OZONA WATER WELL SERVICE
601191	New Well	Stock	Joseph Brosig	55-37-5	3/29/2022	265	OZONA WATER WELL SERVICE
600988	New Well	Domestic	MARK LOGUE	55-27-3	3/28/2022	315	woehl drilling no2
600987	New Well	Domestic	MARK LOGUE	55-27-3	3/24/2022	200	woehl drilling no2
600529	New Well	Domestic	KEVIN MULCAHY	55-27-3	3/23/2022	315	woehl drilling no2
600528	New Well	Domestic	OMAR SALAZARA	55-27-3	3/22/2022	335	woehl drilling no2
595828	New Well	Stock	Michael Miller	55-21-6	1/4/2022	410	Allison Well Service

Permits Issued for 2022 Year:

TRACKING	AC-FT/YR	USE	OWNER NAME	GRID	DATE DRILLED	DEPTH	DRILLING CO.
628361	100	Domestic	Philip Canalichie	55-47-4	8/13/2022	446	LANGE DRILLING CO

Financial Reports and Annual Financial Audit:

Financial reports are given at each meeting of the District's Board of Directors. The Financial Audit of the District for FY 2020 - 2021 was presented to the Board at the August 9, 2022, Board meeting and was approved at that Board Meeting.